

OIEP

RAW SEQUENCE LISTING

DATE: 07/01/2000

PATENT APPLICATION: US/09/597,920

TIME: 12:40:32

Input Set : A:\05033.app

Output Set: N:\CRF3\07012000\I597920.raw

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3 <110> APPLICANT: Samelson, Lawrence E.
4 Zhang, Weiguo
6 <120> TITLE OF INVENTION: Compositions and Methods for Identifying and Testing
7 Tyrosine Kinase Substrates and Their Agonists and
8 Antagonists
10 <130> FILE REFERENCE: NIH-05033
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/597,920
C--> 13 <141> CURRENT FILING DATE: 2000-06-19
15 <150> PRIOR APPLICATION NUMBER: 60/068,690
16 <151> PRIOR FILING DATE: 1997-12-23
18 <160> NUMBER OF SEQ ID NOS: 15
20 <170> SOFTWARE: PatentIn Ver. 2.0
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23 <211> LENGTH: 1059
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
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33 caagatcccc gcagcccctt gggggctccc accggaagcc atcttcccgg cgggattctg 360
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37 ccttctccat ggagtccatt gatgattacg tgaacgttcc ggagagcggg gagagcgag 600
38 aagcgtctct ggatggcagc cgggagtatg tgaatgtgct ccaggaaactg catcctggag 660
39 cggtctaacg tagcctgccc gccctgagtt cccaggagc agaggaaagt gaggaagagg 720
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43 ttattatcac tttggggttc ggcctgtgtc ccccgaaagc tctgcacctt ctgacgcagc 960
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58 ctgctgcccc tcctggccat gttgatggca ctgtgtgtgc actgccacag actgccaggc 180
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63 tgcgtctggg atccgagggtg cccaggctgg gtggggagtc tggggtccgt cctggactag 480
64 gctgaccctt gtgtcgttac ccccagaacc agcctgtgag gatgcagatg aggatgagga 540
65 cgactatcac aaccagggct acctggtggt gcttctgac agcaccgccg ccactagcac 600
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69 tgagccctgc gccctgagtt cccaggaggc agaggaaagt gaggaagagg gggctccaga 840
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106 catttgatct ctgccttgcc acagcctgag aatcttcccc taacttattg tcaacttggg 1140
107 gtccagtctg tgcctccaat attctgtacc ttctgataaa gcctgagaat gaatctgggt 1200
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112 <212> TYPE: PRT

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120 20 25 30
122 Pro Gly Ser Tyr Asp Ser Thr Ser Ser Asp Ser Leu Tyr Pro Arg Gly
123 35 40 45
125 Ile Gln Phe Lys Arg Pro His Thr Val Ala Pro Trp Pro Pro Ala Tyr
126 50 55 60
128 Pro Pro Val Thr Ser Tyr Pro Pro Leu Ser Gln Pro Asp Leu Leu Pro
129 65 70 75 80
131 Ile Pro Arg Ser Pro Gln Pro Leu Gly Gly Ser His Arg Thr Pro Ser
132 85 90 95
134 Ser Arg Arg Asp Ser Asp Gly Ala Asn Ser Val Ala Ser Tyr Glu Asn
135 100 105 110
137 Glu Glu Pro Ala Cys Glu Asp Ala Asp Glu Asp Glu Asp Tyr His
138 115 120 125
140 Asn Pro Gly Tyr Leu Val Val Leu Pro Asp Ser Thr Pro Ala Thr Ser
141 130 135 140
143 Thr Ala Ala Pro Ser Ala Pro Ala Leu Ser Thr Pro Gly Ile Arg Asp
144 145 150 155 160
146 Ser Ala Phe Ser Met Glu Ser Ile Asp Asp Tyr Val Asn Val Pro Glu
147 165 170 175
149 Ser Gly Glu Ser Ala Glu Ala Ser Leu Asp Gly Ser Arg Glu Tyr Val
150 180 185 190
152 Asn Val Ser Gln Glu Leu His Pro Gly Ala Ala Lys Thr Glu Pro Ala
153 195 200 205
155 Ala Leu Ser Ser Gln Glu Ala Glu Glu Val Glu Glu Gly Ala Pro
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172 20 25 30
174 Leu Pro Val Ser Tyr Asp Ser Thr Ser Thr Glu Ser Leu Tyr Pro Arg
175 35 40 45
177 Ser Ile Leu Ile Lys Pro Pro Gln Ile Thr Val Pro Arg Thr Pro Ala
178 50 55 60
180 Val Ser Tyr Pro Leu Val Thr Ser Phe Pro Pro Leu Arg Gln Pro Asp
181 65 70 75 80
183 Leu Leu Pro Ile Pro Arg Ser Pro Gln Pro Leu Gly Gly Ser His Arg
184 85 90 95

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190      115      120      125
192 Glu Asp Asp Tyr Pro Asn Gly Tyr Leu Val Val Leu Pro Asp Ser Ser
193      130      135      140
195 Pro Ala Ala Val Pro Val Val Ser Ser Ala Pro Val Pro Ser Asn Pro
196 145      150      155      160
198 Asp Leu Gly Asp Ser Ala Phe Ser Val Glu Ser Cys Glu Asp Tyr Val
199      165      170      175
201 Asn Val Pro Glu Ser Glu Glu Ser Ala Glu Ala Ser Leu Asp Gly Ser
202      180      185      190
204 Arg Glu Tyr Val Asn Val Ser Pro Glu Gln Gln Pro Val Thr Arg Ala
205      195      200      205
207 Glu Leu Ala Ser Val Asn Ser Ser Gln Glu Val Glu Asp Glu Gly Glu Glu
208      210      215      220
210 Glu Gly Val Asp Gly Glu Glu Ala Pro Asp Tyr Glu Asn Leu Gln Glu
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225 cattggcatt gggaccagag accccgcaag tggcctgttt gcctggacat ccacctgtac 180
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251 tactacactg ccgctcagc agggagtgg ccgctcaagt ggtacgcacc cgaatgcac 1740
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256 cgcatacgag cctgttacta cagcctggcc agcaagggtg aaggggcccc aggcagcaca 2040
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278 35 40 45
280 Ser Leu Val Asp Asp Val Arg Phe His His Phe Pro Ile Glu Arg Gln
281 50 55 60
283 Leu Asn Gly Thr Tyr Ala Ile Ala Gly Gly Lys Ala His Cys Gly Pro
284 65 70 75 80
286 Ala Glu Leu Cys Gln Phe Tyr Ser Gln Asp Pro Asp Gly Leu Pro Cys
287 85 90 95
289 Asn Leu Arg Asn Ala Cys Asn Arg Pro Pro Gly Leu Glu Pro Gln Pro
290 100 105 110
292 Gly Val Phe Asp Cys Leu Arg Asp Ala Met Val Arg Asp Tyr Val Arg
293 115 120 125
295 Gln Thr Trp Lys Leu Glu Gly Asp Ala Leu Glu Gln Ala Ile Ile Ser
296 130 135 140
298 Gln Ala Pro Gln Val Glu Lys Leu Ile Ala Thr Thr Ala His Glu Arg
299 145 150 155 160
301 Met Pro Trp Tyr His Ser Ser Leu Thr Arg Glu Glu Ala Glu Arg Lys
302 165 170 175
304 Leu Tyr Ser Gly Gln Gln Thr Asp Gly Lys Phe Leu Leu Arg Pro Arg
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308 195 200 205
310 Tyr His Tyr Leu Ile Ser Gln Asp Lys Ala Gly Lys Tyr Cys Ile Pro
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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date